

## Product datasheet for **TP302889**

### **NQO2 (NM\_000904) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human NAD(P)H dehydrogenase, quinone 2 (NQO2), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC202889 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAGKKVLIVYAHQEPKSFNGSLKNVAVDELRSQGCTVTVSDLYAMNFEPRATDKDITGTLNPEVFNYGV  
ETHEAYKQRSLASDITDEQKKVREADLVIFQFPLYWFSVPAILKGWMDRVLCCQGFADIPGFYDSGLLQG  
KLALLSVTTGGTAEMYTKTGVNGDSRYFLWPLQHGTLHFCGFKVLAPQISFAPEIASEEERKGMVAAWSQ  
RLQTIWKEEPICTAHWHFGQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 25.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_000895](#)

**Locus ID:** 4835

**UniProt ID:** [P16083](#), [B3KPX6](#)



[View online »](#)

RefSeq Size: 1272

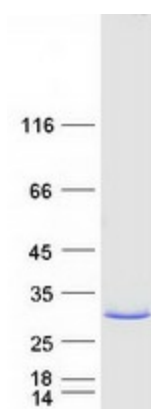
Cytogenetics: 6p25.2

RefSeq ORF: 693

Synonyms: DHQV; DIA6; NMOR2; QR2

**Summary:** This gene encodes a member of the thioredoxin family of enzymes. It is a cytosolic and ubiquitously expressed flavoprotein that catalyzes the two-electron reduction of quinone substrates and uses dihydronicotinamide riboside as a reducing coenzyme. Mutations in this gene have been associated with neurodegenerative diseases and several cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

### Product images:



Coomassie blue staining of purified NQO2 protein (Cat# TP302889). The protein was produced from HEK293T cells transfected with NQO2 cDNA clone (Cat# [RC202889]) using MegaTran 2.0 (Cat# [TT210002]).